the IP network (702) further being connected to an end node (704), the IP network

(702) and the resource reservation proxy (705) using a resource reservation protocol, wherein

the server (701) manages a resource reservation for establishing quality of service

between the terminal (703) and the end node (704), and wherein the server (701) includes a functional

entity (707), the functional entity (707) including:

means (709) for instructing the terminal (703) to not use its resource reservation protocol if it

has any,

means (708) for identifying necessary parameters required for performing the resource

reservation,

means (710) for changing a signalling message so that it indicates that the resource reservation

signalling applies from the access node and towards the end node, and

means (711) for requesting, from the proxy (705), a specific quality of service according to the

necessary parameters, between the proxy (705) and the end node (704) on an IP level.

2.   (AMENDED) Application level server (701) according to claim 1, wherein the

resource reservation protocol is the Resource Reservation Protocol (RSVP) and the resource

reservation proxy is an RSVP proxy.

3.   (AMENDED) The application level server (701) according to claim 2, wherein

the functional entity (707) includes means (709) for instructing the terminal (703) to not use its resource

reservation protocol if it has any, in an ACF signalling message of H.225/RAS sent from the server

(701) to the terminal (703).

4.   (AMENDED) Application level server (701) according to claim 1, wherein one of the

necessary parameters is a quality of service mode.

5.   (AMENDED) Application level server (701) according to claim 4, wherein the quality

of service mode is identified by the server (701) in a TerminalCapabilitySet message of H.245 from the

end node (704) towards the terminal (703).

6.   (AMENDED) Application level server (701) according to claim 1, wherein one of the

necessary parameters is quality of service information.

7.   (AMENDED) Application level server (701) according to claim 6, wherein the quality

of service information is identified by the server (701) in an OpenLogicalChannel message of H.245

sent from the terminal (703) towards the end node (704).

8.   (AMENDED) Application level server (701) according to claim 1, wherein one of the

necessary parameters is a port identification of a port to be used by the end node (704) for reception of

an incoming media stream to the end node (704).

9.   (AMENDED) Application level server (701) according to claim 8, wherein the

identification of the port to be used by the end node is identified by the server (701) in an Open

LogicalChannelAck message of H.245 sent from the end node (704) towards the terminal (703).

10.   (AMENDED) Application level server (701) according to claim 1, wherein the

functional entity (707) has means (710) for changing a signalling message, sent from the terminal (703)

towards the end node (704), from indicating that quality of service is not possible to indicating that

quality of service is possible.

11.   (AMENDED) Application level server (701) according to claim 10, wherein the

signalling message is a TerminalCapabilitySet of H.245.

12. (AMENDED) Application level server (701) according to claim 1, wherein the functional entity (707) has means (710) for changing a signalling message, sent from the end node (704) towards the terminal (703), from indicating that quality of service is possible to indicating that quality of service is not possible.

13. (AMENDED) Application level server (701) according to claim 12, wherein the signalling message is a TerminalCapabilitySet of H.245.

14. (AMENDED) Application level server (701) according to claim 1, wherein the request of quality of service between the proxy (705) and the end node (704), is sent in a request quality of service message from the server (701) to the proxy (705), the message including the necessary parameters.

15. (AMENDED) A communication system (600) including an application level server (609) and an IP network (607) connected to the application level server (609), the application level server (609) routing calls within the communication system, the IP network (607) using a resource reservation protocol, the communication system (600) further including:

a terminal (605) being connected to the IP network (607) via an access node (603) and via a resource reservation proxy being connected to the IP network,

an end node (608) being connected to the IP network (607),

means (612) for establishing an access bearer, with a specific quality of service on a link level, between the terminal (605) and the access node (603), and

a resource reservation protocol proxy (602), having means (613) for performing resource reservation to establish the specific quality of service on an IP level, between the access node (603) and the end node (608).

16.   (AMENDED) Communication system according to claim 15, wherein the resource reservation protocol is the Resource Reservation Protocol (RSVP) and the proxy (602) is an RSVP proxy.

17.   (AMENDED) Communication system according to claim 16, wherein the resource reservation is initiated by the proxy, by a sent Path signalling message of RSVP including the necessary parameters, from the access node (603) towards the end node (608).

18.   (AMENDED) Communication system according to claim 15, wherein the access node is a radio access node and the terminal 605 is connected to the radio access node via a radio link.

19.   (AMENDED) Communication system according to claim 16, wherein the resource reservation protocol proxy (602) is co-located with the access node (603).

20.   (AMENDED) A method for resource reservation to establish end-to-end quality of service between a terminal and an end node within a communication system, the communication system including an IP network using a resource reservation protocol, the communication system further including the terminal being connected to an access node, the access node being connected to a resource reservation protocol proxy, the proxy being connected to the IP network, the IP network being connected to an application level server that routes calls and that manages the resource reservation, the method including the steps of:

  –   indicating (501) that the resource reservation signalling on IP level applies between the proxy and the end node;

  –   identifying (502) necessary parameters for performing the resource reservation;

  –   performing (503) the resource reservation, with quality of service on the IP level, between the access node and the end node, by means of the resource reservation protocol proxy, and

  –   establishing (504) an access bearer with a quality of service on a link level, between the terminal and the access node.

21.   (AMENDED) Method according to claim 20, wherein the resource reservation

protocol used is the Resource Reservation Protocol (RSVP) and the resource reservation protocol

proxy is an RSVP proxy.

22.   (AMENDED) Method according to claim 20, wherein the step of indicating (501) that

the resource reservation signalling applies between the proxy and the end node is performed by the

server, by changing a signalling message, sent from the terminal towards the end node, from indicating

that quality of service not is capable to indicating that quality of service is capable.

23.   (AMENDED) Method according to claim 22, wherein said signalling message is a

TerminalCapabilitySet of H.245.

24.   (AMENDED) Method according to claim 20, wherein the step of indicating (501) that

the resource reservation signalling applies between the proxy and the end node is performed by the

server, by changing a signalling message, sent from the end node towards the terminal, from indicating

that quality of service is capable to indicating that quality of service is not capable.

25.   (AMENDED) Method according to claim 24, wherein said signalling message is a TerminalCapabilitySet of H.245.

26.   (AMENDED) Method according to claim 20, wherein one of the necessary parameters is a quality of service mode.

27.   (AMENDED) Method according to claim 26, wherein the quality of service mode is identified (502) by the server in a TerminalCapabilitySet message of H.245 sent from the end node towards the terminal.

28.   (AMENDED) Method according to claim 20, wherein one of the necessary parameters is quality of service information.

29.   (AMENDED) Method according to claim 28, wherein the quality of service information is identified (502) by the server in an OpenLogicalChannel message of H.245 sent from the terminal towards the end node.

30.   (AMENDED) Method according to claim 20, wherein one of the necessary parameters is a port identification of a port to be used by the end node for reception of a media stream.

31. (AMENDED) Method according to claim 30, wherein said port identification is identified (502) by the server in an Open LogicalChannelAck message of H.245 sent from the end node towards the terminal.

32. (AMENDED) Method according to claim 20, comprising the further step to be taken by the server, requesting from the proxy, quality of service between the access node and the terminal according to the necessary parameters.

33. (AMENDED) Method according to claim 32 wherein said request is sent in a request quality of service message, including the necessary parameters.

34. (AMENDED) Method according claim 20, wherein the step of performing (503) the resource reservation, is performed by means of the proxy initiating the resource reservation, by sending a Path signalling message of RSVP from the proxy towards the end node, the message including the necessary parameters.